## WHAT IS CLAIMED IS:

1		1. In a multi-processor computing environment, a method by a first			
2	processor for allocating resources for use by a second processor, the method comprising:				
3	providing a script to the first processor, the script containing information				
4	related to the resources required by the second processor and when required;				
5	parsing the script to determine the resources required by the second processor;				
6	and				
7		dynamically allocating the resources at the time needed by the second			
8	processor.				
1		2. The method of claim 1 wherein the script further comprises			
2	information related to resources required by a third processor; and				
3_	dynamically allocating the resources at the time needed by the third processor.				
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<b>k</b> ≓ ~.j		3. The method of claim 3 further comprising			
2	dedicating the first processor to processing the script.				
		4. The method of claim 1 wherein the resources are memory and matrix			
	configuration.				
2 2 2 1		5. The method of claim 1 wherein the information is the execution			
2	sequence of the program.				
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1		6. The method of claim 1 wherein the information in the amount of buffer			
2	memory needed by the program.				
1		7. A method by a processor for allocating resources for use by one or			
2	more tasks in a multi-processor computing environment, the method comprising:				
3	providing a script to the processor, the script containing a map of sequences				
4	that will occur during execution of the one or more tasks;				
5	parsing the script to determine resources required based on the map of				
6	sequences; and				
7		allocating the resources immediately prior to execution of the task.			
1		8. The method of claim 7 wherein the script is an I/O processor script.			

1		9.	A predictive resource anocation system for a multi-processor		
2	computing environment having two or more processors, comprising:				
3	a first processor;				
4		a dedi	cated processor dedicated to providing resource allocation to the first		
5	processor;				
6		a scrit	ot file containing information related to the resources required by the		
7	second process				
8	bootia process	a script engine for running the script file, the dedicated processor in			
9	conjunction wi				
10	conjunction with the script engine parsing the script to determine the resources required by the second processor; and				
10	the second pro	CESSOI	, and		
11		the de	dicated processor dynamically allocating the resources at the time		
12	needed by the first processor.				
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		10.	The system of claim 9 wherein the script further comprises		
12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		inforn	nation related to resources required by a third processor; and		
3	the dedicated processor dynamically allocating the resources at the time				
<b>4</b> 5	needed by the third processor.				
ř		11.	A method by a processor for allocating resources for use by two or		
2			-processor computing environment, the method comprising:		
3	providing a script to the processor, the script containing a map of sequences				
4	that will occur during execution of the tasks;				
5	parsing the script to determine the map of sequences for the tasks and to				
6	determine the resources required by the tasks; and				
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7		allocating the resources to tasks such that resource allocation is synchronized			
8	with when the	with when the resources are needed by tasks.			
1		12.	The method of claim 11 wherein allocating the resources further		
2	comprises				
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3		dynan	nically allocating the resources at the time needed by the tasks.		